



Marine & Offshore

Certificate number: 38936/B2 BV

File number: MAT 97596-2014

Product code: 9006I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

Hunan Valin Lianyuan Steel Co., Ltd.

Loudi, Hunan - CHINA

for the type of product

NORMAL STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled coils and plates in steel grades A and B.

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 12 Sep 2024

For Bureau Veritas Marine & Offshore,

At BV SHANGHAI, on 18 Oct 2022,

Jennifer Zhang

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=mxhvimorvg>

BV Mod. Ad.E 1533 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled strips, coils and plates from coils.

Steel grade	Deoxydation practice & Refining	Delivery conditions
A	Killed and fine grain treated with Al	Controlled Rolling (CR) up to 20mm
B	Killed and fine grain treated with Al	Controlled Rolling (CR) up to 20mm

Steelmaking by Basic oxygen furnace (BOF) and LF furnace. Continuous casting.

2. DOCUMENTS AND DRAWINGS :

2.1-Documents issued by Hunan Valin Lianyuan Iron & Steel Co., Ltd:

- Production process and equipment" submitted on April 2020.
- General information as per "Application document for the approval of the shipbuilding plates' factory" and "BVcertificate supplement" dated February 2014 and September 2014.
- Thickness measurement procedure dated 28 August 2015.

3. TEST REPORTS :

3.1-Documents issued by Hunan Valin Lianyuan Iron & Steel Co., Ltd:

- "Type test result of LYS A and D hull structural steel" dated April 2020.
- "Type test for recognition of A and B ship hull structural steel plant of LY steel" dated June 2014.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1 - The steel strips, coils and plates from coils are to be supplied by Hunan Valin Lianyuan Iron & Steel Co., Ltd in compliance with the type and the requirements described in this certificate.
- 5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
- 5.3 - BV product certificate is required.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

This certificate replaces approvals from N° 38936/A0 BV to N° 38936/B1 BV and N° 38937/B1 BV.

*** END OF CERTIFICATE ***